

3/19/1 DIALOG(R)File 351:Derwent WPI (c) 2004 Thomson Derwent. All rts. reserv.

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XRPX Acc No: N96-187822

Hip prosthesis without using bone cement - has shank made
with posterior surface projection and distal end wedging ring

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Number of Countries: 017 Number of Patents: 005

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| FR 2725617 | A1 | 19960419 | FR 9412177 | A | 19941012 | 199623 B |
| EP 711534 | A1 | 19960515 | EP 95402198 | A | 19950929 | 199624 |
| EP 711534 | B1 | 20000119 | EP 95402198 | A | 19950929 | 200009 |
| DE 69514621 | E | 20000224 | DE 614621 | A | 19950929 | 200017 |
| | | | EP 95402198 | A | 19950929 | |
| ES 2144112 | T3 | 20000601 | EP 95402198 | A | 19950929 | 200033 |

Priority Applications (No Type Date): FR 9412177 A 19941012

Cited Patents: EP 363151; EP 95440; FR 2661328; US 4718909; WO 9103992; WO 9412122

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|------------|------|-----|-------------|----------|--------------|
| FR 2725617 | A1 | 14 | A61F-002/36 | | |
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DE 69514621 E A61F-002/36 Based on patent EP 711534

ES 2144112 T3 A61F-002/36 Based on patent EP 711534

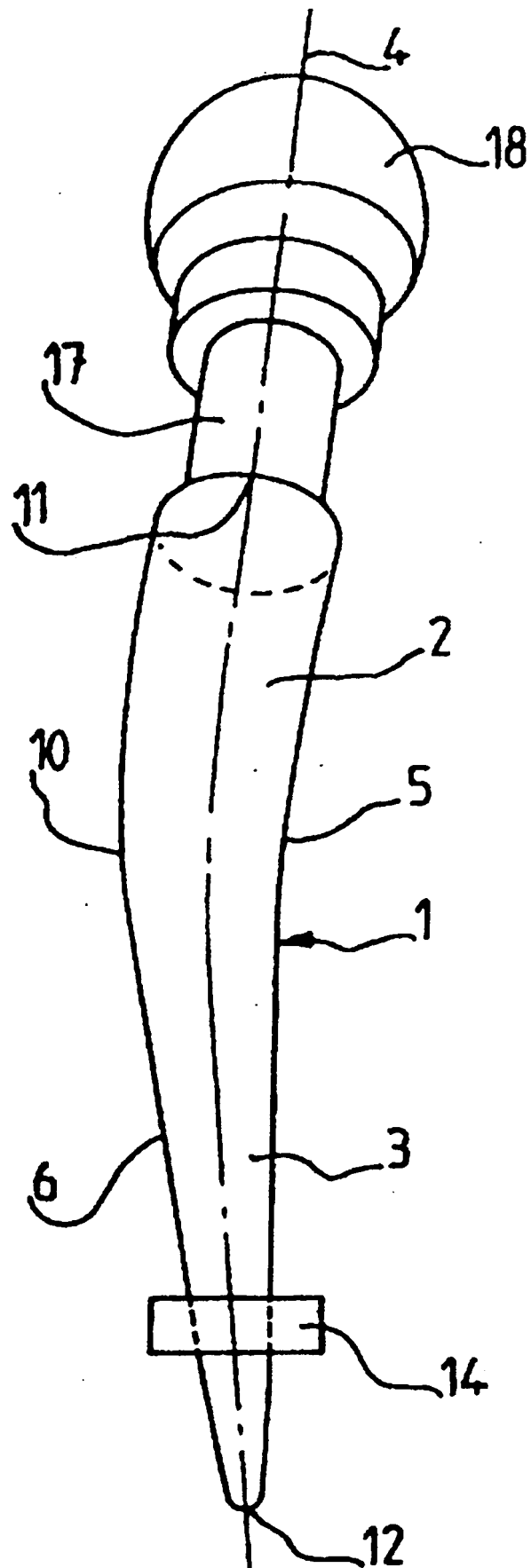
Abstract (Basic): FR 2725617 A

The prosthesis has a shank (1) with a broad upper end (2) tapering towards its tip (12), and is equipped with a distal centering element (14) of a resorbable material. The shank also has a wedging projection (10) on its rear surface to engage with the rear inner surface of the femur. From a sagittal viewpoint the projection has a radius of curvature which is equivalent to approximately one third of the radius of curvature of the shank's rear face.

The centering element (14) is in the form of a ring with an inner diameter sized so that it fits at a point 15 +/- 2 mm above the tip of the shank. Its aperture tapers at an angle of 15 +/- 2 degrees, and it is 5 +/- 1 mm thick. The ring's outer diameter is between 12 and 32 mm, and it has at least one peripheral recess.

ADVANTAGE - Reliable centering and fixing of shank inside femoral canal.

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Title Terms: HIP; PROSTHESIS; BONE; CEMENT; SHANK; MADE; POSTERIOR; SURFACE
; PROJECT; DISTAL; END; WEDGE; RING

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